(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property **Organization**

International Bureau





(43) International Publication Date 14 July 2005 (14.07.2005)

PCT

(10) International Publication Number WO 2005/063778 A1

(51) International Patent Classification7: C08F 30/02, A61K 6/00, 6/083

C07F 9/09.

(74) Agent: HARTZ, Nikolai, F.; Wächtershäuser & Hartz, Weinstrasse 8, 80333 München (DE).

(21) International Application Number:

PCT/EP2004/014307

(22) International Filing Date:

15 December 2004 (15.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

03029824.4

23 December 2003 (23.12.2003)

(71) Applicant (for all designated States except US): DENTSPLY DETREY GMBH [DE/DE]; De-Trey-Strasse 1, 78467 Konstanz (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KLEE, Joachim, E. [DE/DE]; Espelweg 3/4, 78315 Radolfzell (DE). LEHMANN, Uwe [DE/DE]; Max-Strohmeyer-Strasse 1, 78467 Konstanz (DE). WALZ, Uwe [DE/DE]; Zum Klausenhorn 9, 78467 Konstanz (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,

TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ONE-PART SELF-ETCHING, SELF-PRIMING DENTAL ADHESIVE COMPOSITION

(57) Abstract: One-part self-etching, self-priming dental adhesive composition having a pH of at most 2, which comprises (a) a polymerizable acidic phosphoric acid ester monomer (b) one or more polymerisable acidic monomers (c) a polymerizable N-substituted alkylacrylic or acrylic acid amide monomer; (d) optionally an organic and/or inorganic acid; (e) an organic water soluble solvent and/or water; and (f) polymerization initiator, inhibitor and stabilizer.